

### City of Bellevue **Development Services Department** Land Use Staff Report

**Proposal Name:** 

Tsiprin Residence

**Proposal Address:** 

840 134th Ave NE

**Proposal Description:** 

This is an application for a Critical Areas Land Use Permit for construction of a new single-family dwelling and pool on a site containing a Category III wetland. The proposal is supported

by a Geotechnical Report and Critical Areas Report.

File Number:

17-106078-LO

Applicant:

Elena Tsiprin

**Decision Included:** 

Critical Areas Land Use Permit

(Process II. LUC 20.30P)

Planner:

Jeremy Hammar, Assistant Planner

**State Environmental Policy Act** 

Threshold Determination:

Exempt

**Director's Decision:** 

**Approval with Conditions** 

Mike Brennan, Director

**Development Services Department** 

Elizabeth Stead, Land Use Director

**Application Date:** 

February 14, 2017

Notice of Application Publication Date:

March 16, 2017

**Decision Publication Date:** 

December 14, 2017

Project/SEPA Appeal Deadline:

December 28, 2017

For information on how to appeal a proposal, visit Development Services Center at City Hall or call (425) 452-6800. Comments on State Environmental Policy Act (SEPA) Determinations can be made with or without appealing the proposal within the noted comment period for a SEPA Determination. Appeal of the Decision must be received in the City's Clerk's Office by 5 PM on the date noted for appeal of the decision.

### CONTENTS

l.	Proposal Description	Pg 3
II.	Site Description, Zoning & Land Use Context	Pg 4
III.	Site Context_	Pg 7
IV.	State Environmental Policy Act (SEPA)	Pg 7
V.	Consistency with Land Use Code Requirements:	Pg 7
VI.	Summary of Technical Review	Pg 9
VII.	Public Notice and Comment	Pg 9
VIII.	Decision Criteria	Pg 9
IX.	Conclusion and Decision_	Pg 10
X.	Conditions of Approval	Pg 10

### Attachments:

- Project Plans Enclosed
   Critical Areas Report and Mitigation Plan In File
   Bridge installation and Mitigation Summary In File

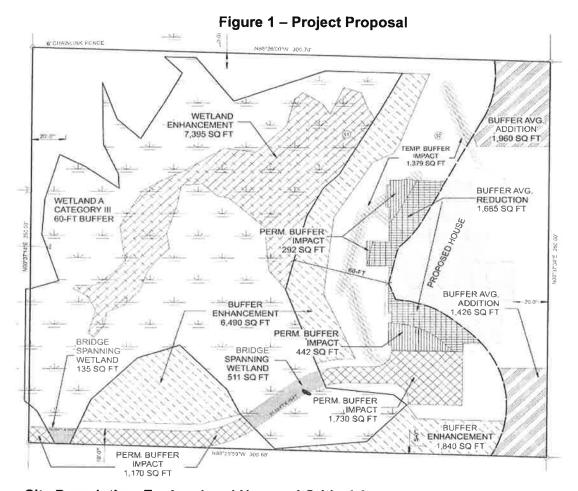
### I. Proposal Description

The subject property is 1.73 acres, with only 0.27-acres of buildable land being non-wetland or buffer. The buildable area is located entirely along the eastern property boundary. Additionally, given the site's topography, the northern third of this area is not suitable for the placement of a residence.

The on-site wetland lies between 134th Ave NE and the buildable portion of the site, so in order to build a house on the parcel, the wetland and buffer need to be crossed with an access driveway. As a means of avoiding direct wetland impacts and minimizing to the greatest extent possible the potential damage to the wetland that could result from wetland fill, the applicant is proposing to construct an elevated access drive (bridge) to cross the wetland. The wetland will be spanned in two places, which will total approximately 85 feet by 10 feet. Bridge 1 will completely span the wetland and impacts associated with its installation will be limited to buffer area. Bridge 2 will span the majority of the wetland area but will require a structural pile in the middle of the span for support.

The applicant is proposing the placement of a single-family residence on the eastern side of the property, in largely non-buffer areas. A total of 1,685 square feet of buffer is proposed to be reduced along the western side of the proposed structure. The proposed plan requires approximately 734 square feet of buffer impact for the structural foundation of the primary structure and 3750 square feet of buffer impact associated with the access driveway.

Proposed mitigation for the project is detailed in pages 14-23 and appendix C of the Critical Areas Report & Mitigation plan located in the project file. The applicant is proposing 7,395 square feet of wetland enhancement (10.1:1 enhancement to impact ratio) to compensate for the buffer impacts associated with the primary structure. As detailed in the document referenced above and the document titled Wetland Crossing/Bridge Installation Mitigation Summary in the project file. To compensate for impacts associated with the access driveway, the applicant is providing 8,330 square feet of buffer enhancement (2.2:1 enhancement to impact ratio). Additionally, temporary buffer impacts associated with the installation of a stormwater management facility will be restored to preconstruction conditions and enhanced with native shrubs.

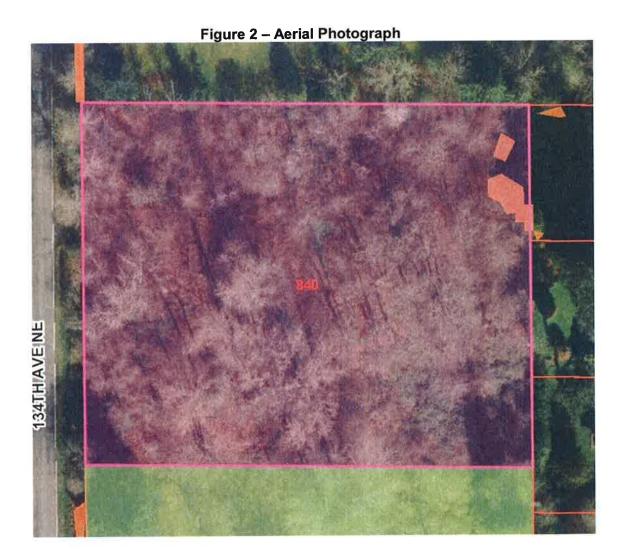


### II. Site Description, Zoning, Land Use, and Critical Areas

The project site is currently undeveloped and contains non-mature and mature forested areas. Surrounding land use is a mix of similarly undeveloped forestland and parks, as well as multi-family and single-family residential developments. Dominant vegetation onsite is represented by an open canopy of big leaf maple, red alder, vine maple, with small stands of Douglas fir and Western red cedar. The forest understory on-site is disturbed and is largely covered with invasive species, including Himalayan blackberry and English ivy. Some limited areas across the site contain small stands of vine maple, salmonberry, Sitka willow, red elderberry, and Indian plum. The herbaceous layer, when not subdued by invasive cover, is dominated by sword fern, creeping buttercup, soft rush, reed canary grass, slough sedge, and small patches of bracken fern.

Topography consists of an undulating slope with a westerly aspect, transitioning and flattening on the eastern side of the property. Given the topography of the site, general flow patterns would be to the west toward the property boundary, which borders 134<sup>th</sup> Ave NE. On-site soils are mapped as Everett gravelly sandy loam, 5 to 15 percent slopes and Alderwood gravelly sandy loam, 6 to 15 percent slopes.

One wetland (wetland A) was identified generally in the western half of the property. Wetland A is a depressional wetland complex that is located east of 134<sup>th</sup> Ave NE and continues off-site to the north-northwest and to the south. Pursuant to City of Bellevue's Land Use Code Part 20.25H, Wetland A is classified as a Category III wetland with a habitat score of 13. No off-site wetlands were observed within 500-ft of the subject property. Kelsey Creek, a fish-bearing stream, lies approximately 400 feet to the north of the subject property.



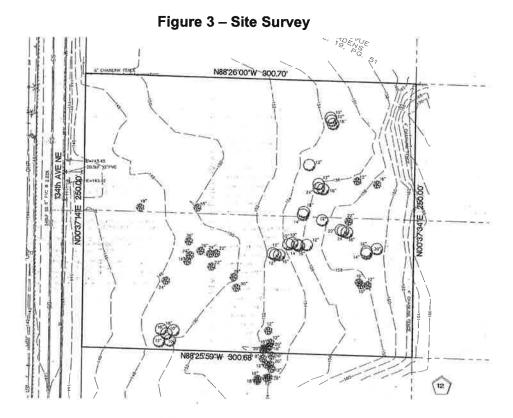


Figure 4 – Site Photographs





Facing West (Driveway/access from 134th Ave NE)

Facing East (Building Location)

### III. Site Context

### A. Critical Areas: Wetland

Wetlands provide important functions and values for both the human and biological environment—these functions include flood control, water quality improvement, and nutrient production. These "functions and values" to both the environment and the citizens of Bellevue depend on their size and location within a basin, as well as their diversity and quality. While Bellevue's wetlands provide various beneficial functions, not all wetlands perform all functions, nor do they perform all functions equally well (Novitski et al., 1995). However, the combined effect of functional processes of wetlands within basins provides benefits to both natural and human environments. For example, wetlands provide significant stormwater control, even if they are degraded and comprise only a small percentage of area within a basin.

Wetland A is located on the western half of the subject property. This wetland is irregularly shaped and is approximately 0.72-acres in size. Hydrology is supplied to Wetland A by groundwater discharge and by surface water runoff. Wetland A is hydrogeomorphically classified as a depressional wetland. Wetland A received a total score for functions of 37 with a habitat score of 13 on the Washington State Wetland rating Manual for Western Washington (revised, Department of Ecology Document No. 04-06-025 (Hruby 2004). Wetlands with scores ranging from 30 to 50 points for all functions are classified as Category III wetlands. In the City of Bellevue, Category III wetlands with low habitat scores (less than 20 points) on undeveloped sites (as defined in LUC) receive 60-foot buffers from

their delineated edges, pursuant to LUC 20.25H.095.

### IV. State Environmental Policy Act (SEPA)

The proposed addition is exempt from SEPA in WAC 197-11-800 and no work is proposed within a critical area or exceeds a categorical exemption.

### V. Consistency with Land Use Code Requirements:

### A. Zoning District Dimensional Requirements:

The property is within the R-2.5 zoning district. Based on the materials submitted, the proposal is consistent with the underlying zoning district and consistent with the dimensional requirements in LUC 20.20.010.

### B. Critical Areas Requirements LUC 20.25H:

The City of Bellevue Land Use Code Critical Areas Overlay District (LUC 20.25H) establishes performance standards and procedures that apply to development on any site which contains in whole or in part any portion designated as critical area, critical area buffer or structure setback from a critical area or buffer. The following performance standards apply to projects that work in wetlands and streams.

### i. Consistency with LUC 20.25H.100

1. Lights shall be directed away from the wetland.

Any new lights associated with the primary structure or access driveway will be directed away from the critical area.

 Activity that generates noise such as parking lots, generators, and residential uses, shall be located away from the wetland, or any noise shall be minimized through use of design and insulation techniques.
 As a result of the proposed project, residential uses, parking areas, and

associated noise on the subject property will be located as far away as possible from Wetland A.

3. Toxic runoff from new impervious area shall be routed away from the wetlands.

Toxic runoff resultant from the parking area at the terminus of the access driveway, will be captured, and directed into a stormwater management system. From the stormwater system design and through best management practices, it is expected that toxins will be appropriately managed due to percolation through the substrate prior to stormwater being discharged to the wetland.

4. Treated water may be allowed to enter the wetland critical area buffer. The proposed infiltration trench will allow collected hydrology from the roof of the primary structure, driveway, and parking areas, to infiltrate into the soil. This water will thereby be treated due to percolation through the substrate, and will enter the wetland via subsurface flows.

5. The outer edge of the wetland critical area buffer shall be planted with dense vegetation to limit pet or human use.

The overall condition and function of the on-site buffer will be improved by the proposed mitigation plan. Additionally, the buffer area between the primary structure and the wetland edge will be planted with native species. Therefore, planting dense vegetation on the outer edge of Wetland A is not an applicable performance standard for the proposed project. See Conditions of Approval in Section X of this report.

6. Use of pesticides, insecticides and fertilizers within 150 feet of the edge of the stream buffer shall be in accordance with the City of Bellevue's "Environmental Best Management Practices," now or as hereafter amended

As no stream is present on or adjacent to the subject site, this performance standard is not applicable to the proposed project.

### VI. Summary of Technical Reviews

### Clearing and Grading:

The Clearing and Grading Division of the Development Services Department has reviewed the proposed site development for compliance with Clearing and Grading codes and standards. The Clearing and Grading staff found no issues with the proposed development and concurred with the findings within the Geotechnical Report.

### VII. Public Notice and Comment

Application Date:
Public Notice (500 feet):
Minimum Comment Period:

February 14, 2017 March 16, 2017 March 30, 2017

The project was publicly noticed in the City's Weekly Permit Bulletin and Seattle Times on March 30, 2017 with notice mailed to property owners within 500 feet of the project site. No written comments were received regarding the proposal, and there are no parties of record besides the applicant.

### VIII. Decision Criteria

A. 20.30P.140 Critical Area Land Use Permit Decision Criteria – Decision Criteria

The Director may approve, or approve with modifications an application for a Critical Area Land

Use Permit if:

### A. The proposal obtains all other permits required by the Land Use Code;

The applicant must obtain a clearing and grading permit and any associated permits. See Conditions of Approval in Section X of this report.

B. The proposal utilizes to the maximum extent possible the best available construction, design and development techniques which result in the least impact on the critical area and critical area buffer;

The proposal will provide wetland restoration which will improve the function and habitat value of this critical area.

C. The proposal incorporates the performance standards of Part 20.25H to the maximum extent applicable, and;

The performance standards related to wetlands are being met by this proposal as described in Section III above.

D. The proposal will be served by adequate public facilities including street, fire protection, and utilities; and;

The proposed activity does not impact public services.

E. The proposal includes a mitigation or restoration plan consistent with the requirements of LUC Section 20.25H.210; and

The mitigation planting is comparable with the City's planting templates wetlands and meets requirements in LUC 20.25H.210. **See Conditions of Approval in Section X of this report.** 

F. The proposal complies with other applicable requirements of this code.

As discussed in this report, the proposal complies with all other applicable requirements of the Land Use Code.

### IX. Conclusion and Decision

After conducting the various administrative reviews associated with this proposal, including Land Use Code consistency, City Code and Standard compliance reviews, the Director of the Development Services Department does hereby approve with conditions the proposed restoration and habitat improvement of the wetland and buffer adjacent to the West Tributary of Kelsey Creek found in the regional detention facility. Approval of this Critical Areas Land Use Permit does not constitute a permit for construction. A building permit, clear and grade permit, and/or utility permit is required and all plans are subject to review for compliance with applicable City of Bellevue codes and standards.

**Note- Expiration of Approval:** In accordance with LUC 20.30P.150 a Critical Areas Land Use Permit automatically expires and is void if the applicant fails to file for a building permit or other necessary development permits within one year of the effective date of the approval.

### X. Conditions of Approval

The applicant shall comply with all applicable Bellevue City Codes and Ordinances including but not limited to:

Applicable Ordinances	Contact Person
Clearing and Grading Code- BCC 23.76	Tom McFarlane, 425-452-5207
Land Use Code- BCC Title 20	Jeremy Hammar, 425-452-2739
Noise Control- BCC 9.18	Jeremy Hammar, 425-452-2739

The following conditions are imposed under the Bellevue City Code or SEPA authority referenced:

1. Clearing and Grading Permit: Approval of this Critical Areas Land Use Permit does not constitute an approval of a development permit. Application for a clearing and grading permit or other required permits must be submitted and approved. Plans submitted as part of either permit application shall be consistent with the activity permitted under this approval.

Authority:

Land Use Code 20.30P.140

Reviewer:

Jeremy Hammar, Development Services Department

2. Temporary Disturbance: Any areas of temporary disturbance from temporary access location are required to be restored per the plan.

Authority:

Land Use Code 20.30P.140

Reviewer:

Jeremy Hammar, Development Services Department

3. Restoration Planting and Monitoring Plans: Plans submitted for the grading permit must show the proposed mitigation planting and monitoring plans.

Authority:

Land Use Code 20.30P.140

Reviewer:

Jeremy Hammar, Development Services Department

**4. Maintenance and Monitoring:** Maintenance and monitoring is required to be carried out as detailed in the submitted plan. The annual reports can be sent to Jeremy Hammar at jhammar@bellevuewa.gov or to the address below:

Environmental Planning Manager
Development Services Department
City of Bellevue
PO Box 90012
Bellevue, WA 98009-9012

Tsiprin Residence 17-106078-LO Page 12 of 12

Authority:

Land Use Code 20.25H.220.D

Reviewer:

Jeremy Hammar, Development Services Department

5. As-Built Drawing: Any changes made in the field are to be shown on as-built drawings. A copy of any as-built drawings is required to be submitted under the issued clearing and grading permit.

Authority:

Land Use Code 20.30P.140

Reviewer:

Jeremy Hammar, Development Services Department

**6.** Land Use Inspection: Following installation of planting the applicant shall contact Land Use staff to inspect the planting area prior to final building inspection.

Authority:

Land Use Code 20.30P.140

Reviewer:

Jeremy Hammar, Development Services Department

7. Noise Control: Noise related to construction is exempt from the provisions of BCC 9.18 between the hours of 7 am to 6 pm Monday through Friday and 9 am to 6 pm on Saturdays, except for Federal holidays and as further defined by the Bellevue City Code. Noise emanating from construction is prohibited on Sundays or legal holidays unless expanded hours of operation are specifically authorized in advance. Requests for construction hour extension must be done in advance with submittal of a construction noise expanded exempt hours permit.

Authority:

Bellevue City Code 9.18

Reviewer:

Jeremy Hammar, Development Services Department

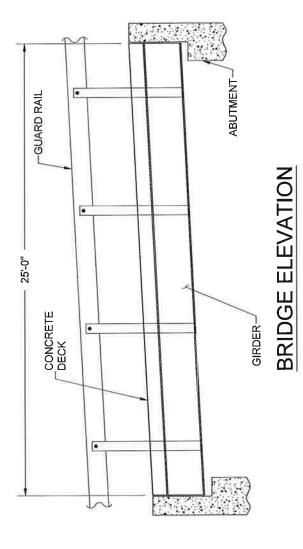
### (1)-(2) DATE SITE WETLAND PERM.BUFFER IMPACT FOR DRIVEWAY BUFFER AVG. TEMP. BUFFER IMPACT PROPOSED BRIDGE BUFFER ENHANCE. WETLAND ENHANCE. LEGEND PERM. BUFFER IMPACT FOR BUFFER PARCEL BUFFER AVG. HOUSE ADDITON 134th AVE NE N00°37'14'E 20'-0" 6' CHAINLINK FENCE WETLAND A CATEGORY III \_ 60-FT BUFFER SPANNING WETLAND 135 SQ FT 10\*-0 PERM. BUFFER IMPACT - REWISED MAP - 10/2/17 PORTION OF SECTION 27, TOWNSHIP 25N, RANGE 05E, W.M. WETLAND -ENHANCEMENT 7,395 SQ FT **CRITICAL AREAS REPORT MAP** ENHANCEMENT 6,490 SQ FT N88°25'59"W 300 68' SPANNING WETLAND 511 SQ FT BRIDGE\* TSIPRIN - 134TH AVE NE N88°26'00"W 300\_70" PERM. BUFFER G. B. C. Land PERM. BUFFER. IMPACT 442 SQ FT 292 SQ FT PERM. BUFFER ↓IMPACT 1,730 SQ FT 1 TEMP, BUFFER IMPACT 1,379 SQ FT ENHANCEMENT 1,840 SQ FT PROPOSED HOUSE (S) BUFFER AVG. ADDITION 1,426 SQ FT BUFFER AVG. - REDUCTION 1,685 SQ FT BUFFER AVG. 1,960 SQ FT N00°37'34"E 250.00" Elena Tsiprin 14670 NE 8th Street, Ste 210 Beltevue, WA 98007 Wettand Resources, Inc. Phone: (425) 337-3174 Fax: (425) 337-3045 Email: mailbox@wetlandresources.com CRITICAL AREAS REPORT MAP Tsiprin - 134th Ave NE Bellevue, Washington ó 15 3o Scale 1" = 30' Sheet 1/1 WRI Job # 16068 Drawn by: JM Date: Oct. 2, 2017 45

,170 SQ FT

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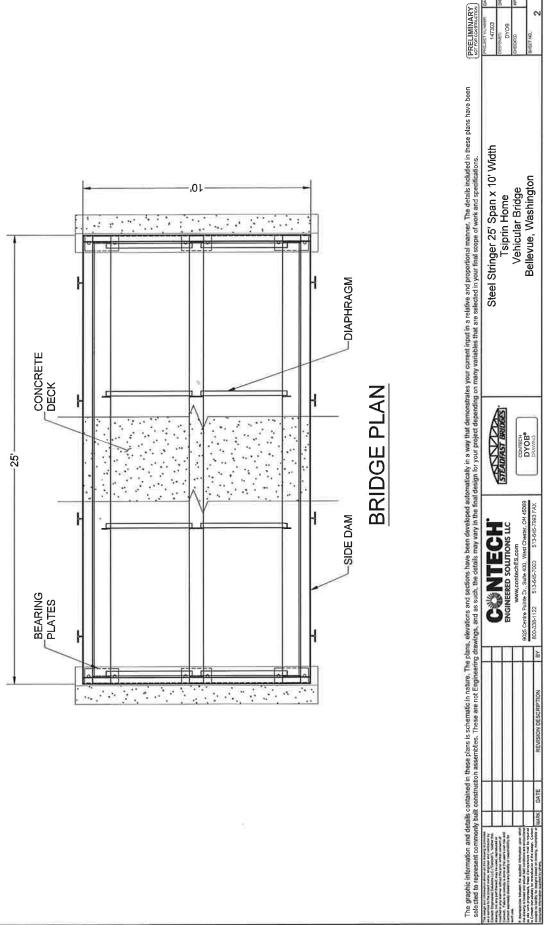
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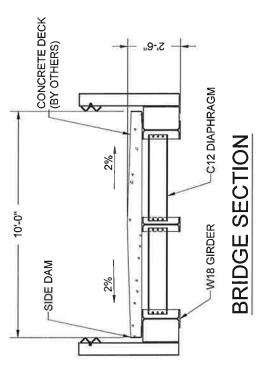
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Bridge Finish: Weathering Steel



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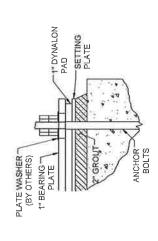


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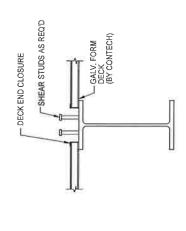
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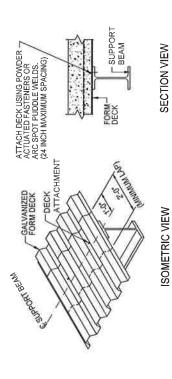
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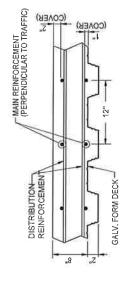


### TYPICAL BEARING DETAIL



# TYPICAL FORM DECK DETAIL





# CONCRETE DECK REINFORCEMENT

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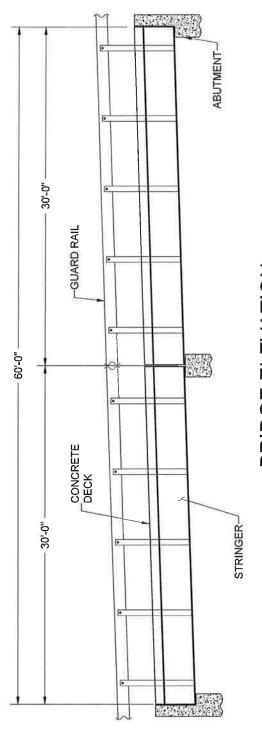
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BRIDGE SUMMARY
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Deck Type: Concrete
Bridge Finish: Weathering Steel



**BRIDGE ELEVATION** 

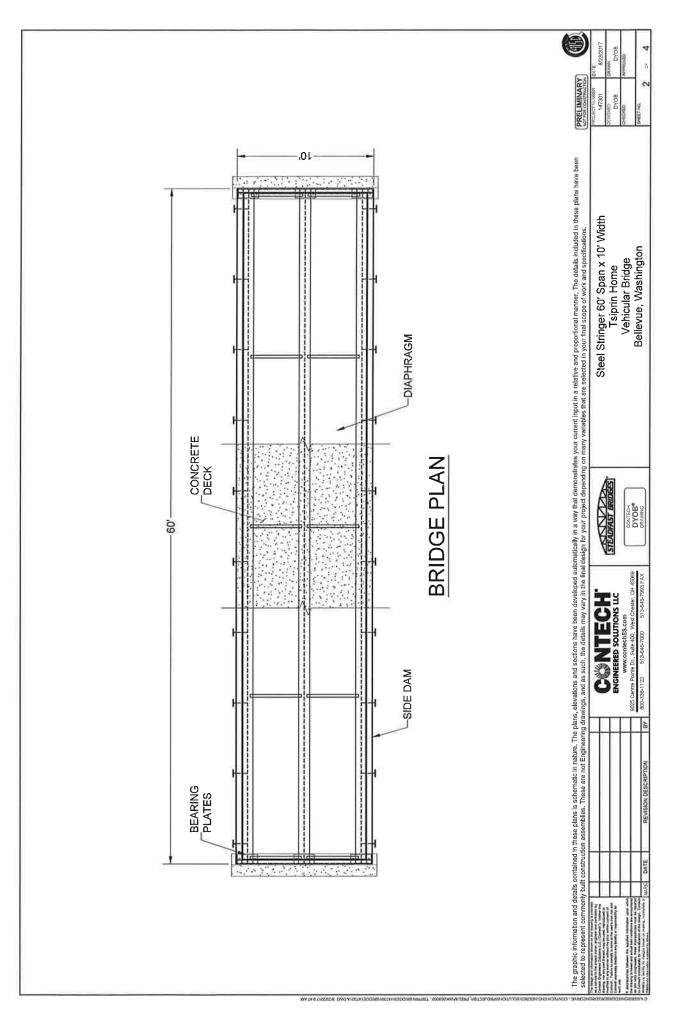


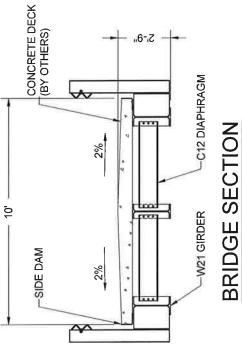
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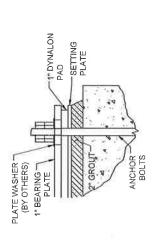


The graphic information and details contained in these plans is schematic in nature. The plans, elevations and sections have been developed automatically in a way that demonstrates your current input in a relative and proportional manner. The details included in these plans have been selected to represent commonly built construction assemblies. These are not Engineering drawings, and as such, the details may vary in the final design for your project depending on many variables that are selected in your final scope of work and specifications.

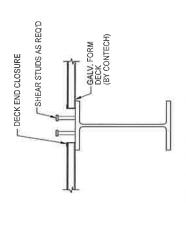
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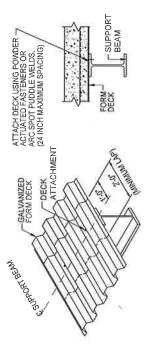
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### TYPICAL BEARING DETAIL



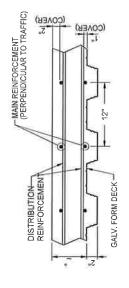
## TYPICAL FORM DECK DETAIL



ISOMETRIC VIEW

SECTION VIEW

FORM DECK DETAILS



# CONCRETE DECK REINFORCEMENT

The graphic information and details contained in these plans is schematic in nature. The plans, elevations have been developed automatically in a way that demonstrates your current input in a relative and proportional many variables that are selected in your final scope of work and specifications.



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